

## Abstract of the Disclosure

A DNA fragment which encodes a polypeptide defined in the following (a) or (b), and a polypeptide defined in the following (c) or (d):

- (a) a polypeptide which has at least the amino acid sequence of the amino acid numbers 50 to 393 in SEQ ID NO: 2 shown in Sequence Listing,
- (b) a polypeptide which has at least the amino acid sequence of the amino acid numbers 50 to 393 in SEQ ID NO: 2 shown in Sequence Listing including substitution, deletion, insertion, addition, or inversion of one or several amino acids, and can constitute a protein having a carbamoyl-phosphate synthetase activity with a large subunit of carbamoyl-phosphate synthetase having the amino acid sequence of SEQ ID NO: 3,
- (c) a polypeptide which has the amino acid sequence of SEQ ID NO: 3 shown in Sequence Listing,
- (d) a polypeptide which has the amino acid sequence of SEQ ID NO: 3 shown in Sequence Listing including substitution, deletion, insertion, addition, or inversion of one or several amino acids, and can constitute a protein having a carbamoyl-phosphate synthetase activity with a small subunit of carbamoyl-phosphate synthetase having the amino acid sequence of the amino acid numbers 50 to 393 in SEQ ID NO: 2.